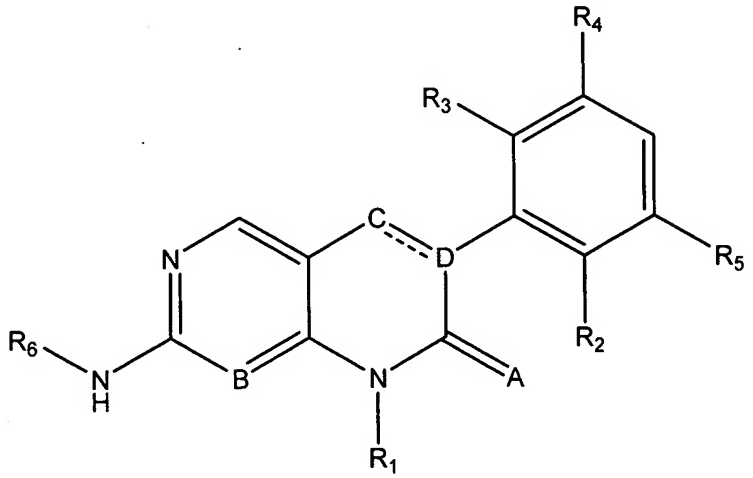
Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A compound of the formula:



wherein:

A is O, NH_2, $NH(C_1\text{-}C_6$ alkyl), $N(C_1\text{-}C_6alkyl)_2$, or $-NHC(O)NHR_{12}$;

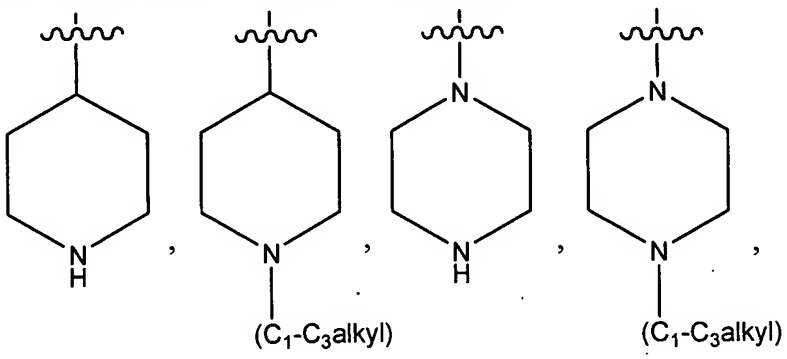
R_{12} is $C_1\text{-}C_6$ straight or branched chain alkyl, or $-(CH_2)n\text{-}C_3\text{-}C_8$ cycloalkyl ring; n is an integer of from 1 to 3;

~~B, C and D are independently selected from CH or N, with the proviso that C and D are not both N;~~ B is N, C is CH, D is N,

R_1 is selected from the group of $C_1\text{-}C_6$ straight or branched chain alkyl, optionally substituted by -COOH, or;

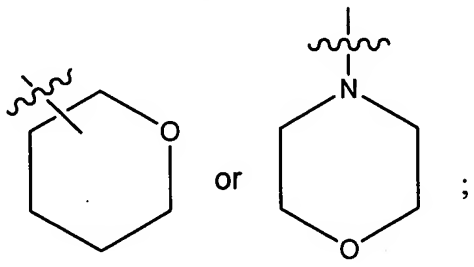
a) a phenyl, benzyl or $C_3\text{-}C_8$ cycloalkyl ring, or $-CH_2\text{-}C_3\text{-}C_8$ cycloalkyl ring, with the phenyl, benzyl or cycloalkyl rings being optionally substituted by 1 or 2 COOH or $-CH_2$-COOH groups; or

b) a piperidine or piperazine moiety selected from group of:



the rings of the piperidine or piperazine moieties being optionally substituted by 1 or 2 COOH or -CH2-COOH groups; or

c) a tetrahydropyran or morpholine moiety of the formulae:



;

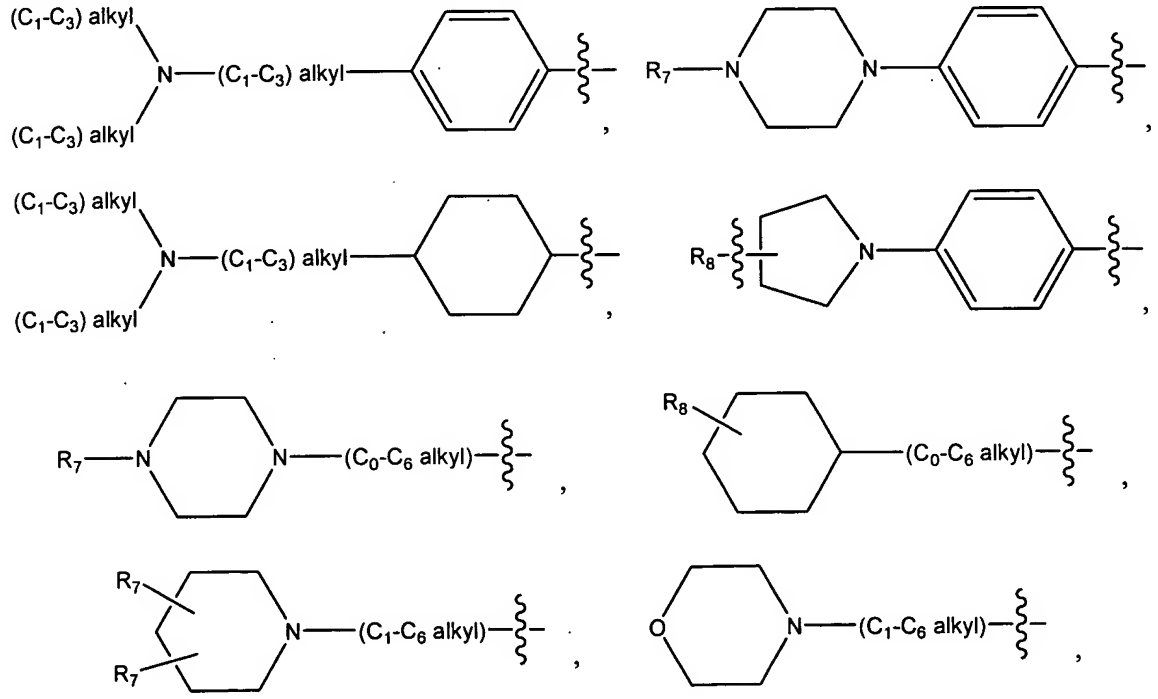
R_2 is H, Cl or F;

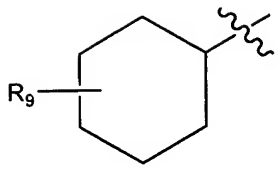
R_3 is H, Cl or F, with the proviso that at least one of R_2 or R_3 is F;

R_4 is H, OH, $-OCH_3$, or $-OCH_2CH_3$, with the proviso that, if R_4 is H, R_2 and R_3 are not H;

R_5 is $-OCH_3$, or $-OCH_2CH_3$;

R_6 is selected from the group of H, $-(C_1\text{-}C_5$ alkyl)$-NH_2$, $-(C_1\text{-}C_5$ alkyl)$-NH-(C_1\text{-}C_3$ alkyl)$-R_{11}$, $-(C_1\text{-}C_5$ alkyl)$-N-(C_1\text{-}C_3$ alkyl$-R_{11})_2$, $-O-(C_1\text{-}C_5$ alkyl)$-NH_2$, $-O-(C_1\text{-}C_5$ alkyl)$-NH-(C_1\text{-}C_3$ alkyl)$-R_{11}$, $-O-(C_1\text{-}C_5$ alkyl)$-N-(C_1\text{-}C_3$ alkyl$-R_{11})_2$, $-CH(CH_2OH)_2$, $-(C_1\text{-}C_3$ alkyl$(CH_2OH)_2$, $-(C_1\text{-}C_3$ alkyl)$-O-(C_1\text{-}C_3$ alkyl)$-R_{11}$, $-(C_1\text{-}C_3$ alkyl)$-O-(C_1\text{-}C_3$ alkyl)$-NH_2$, $-(C_1\text{-}C_3$ alkyl)$-O-(C_1\text{-}C_3$ alkyl)$-NH-(C_1\text{-}C_3$ alkyl)$-R_{11}$, $-(C_1\text{-}C_3$ alkyl)$-O-(C_1\text{-}C_3$ alkyl)$-N(C_1\text{-}C_3$ alkyl$-R_{11})_2$, phenyl substituted by one or two groups selected from NH_2, $-N(C_1\text{-}C_3$ alkyl), $-N(C_1\text{-}C_3$ alkyl$)_2$, CN or $-(C_1\text{-}C_3$ alkyl)-tetrazole, or $C_1\text{-}C_6$ alkyl,





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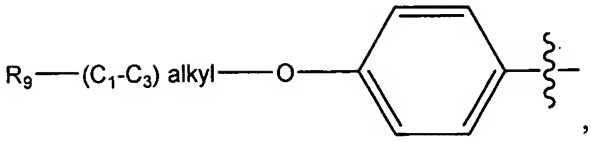

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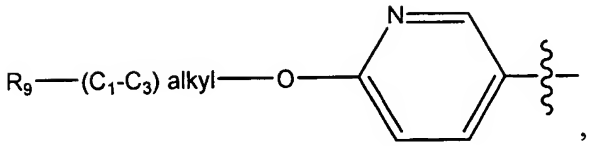

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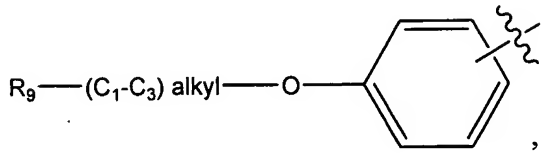

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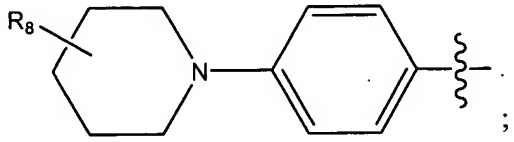
or


;

with each of the alkyl chains of any group in this R_4 definition being optionally substituted by from 1 to 4 OH groups;

R_7 in each instance is independently selected from H, $-NH_2$, $NH(C_1-C_3$ alkyl), $N(C_1-C_3$ alkyl$)_2$, or C_1-C_3 alkyl;

R_8 is H, OH or C_1-C_3 alkyl;

~~9~~ R_9 is H, OH, $-NH_2$, $NH(C_1-C_3$ alkyl), or $N(C_1-C_3$ alkyl$)_2$;

R_{10} is H or C_1-C_3 alkyl;

R_{11} is H, CN, OH, NH_2, F, or CF_3,

or a pharmaceutically acceptable salt or ester form thereof.

2. (Currently amended) A compound of Claim 1 selected from the group of:

1-Cyclopentyl-7-(4-diethylamino-butylamino)-3-(2,6-difluoro-3-hydroxy-5-methoxy phenyl)-3 ,4-dihydro-1H -pyrimido[4,5-d]pyrimidin-2-one;

1-Cyclopentyl-7-(4-diethylamino-butylamino)-3-(2,6-difluoro-3,5-dimethoxy- phenyl)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(S,S)-1-Cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-7-[(5-hydroxymethyl- 2-phenyl-[1,3]dioxolan-4-ylmethyl)-amino]-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(S,S)-1-Cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-7-(2,3,4-tr1Hydroxy-butylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one; ~~or~~

1-Cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-7-(4hydroxy-cyclohexyl-amino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-7-(2-hydroxy-1-hydroxy-methyl-ethylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

7-(3-Amino-2-hydroxy-propylamino)-1-cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-7-[2-(2-hydroxy-ethoxy)-ethylamino]-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Cyclopropyl-7-(4-diethylamino-butylamino)-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one; or

7-(4-Diethylamino-butylamino)-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-1-ethyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

or a pharmaceutically acceptable salt or ester form thereof.

3. (Currently amended) A compound of Claim 1 selected from the group of:

3-(2,6-Difluoro-3,5-dimethoxy-phenyl)-1-ethyl-7-(2-hydroxy-1-hydroxymethyl-ethylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(2,6-Difluoro-3,5-dimethoxy-phenyl)-1-ethyl-7-(4-hydroxy-cyclohexylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Cyclopentyl-3-(2,6-difluoro-3,5-dimethoxyphenyl)-7-(2,3-dihydroxybutylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-7-(2,3-dihydroxypropyl-amino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one; ~~or~~

7-(4-Amino-2,3-dihydroxy-butylamino)-1-cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Cyclopentyl-3-(2-fluoro-3,5-dimethoxy-phenyl)-7-([S,S]-2,3,4-tr1Hydroxy-butylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(2,6-Difluoro-3,5-dimethoxy-phenyl)-1-ethyl-7-[2-(2-hydroxyethoxy)-ethyl-amino]-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

7-(4-Amino-2,3-dihydroxy-butylamino)-3-(2,6-difluoro-3,5-dimethoxyphenyl)-1-ethyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

7-{3-[Bis-(2-hydroxy-ethyl)-amino]-propylamino}-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-1-ethyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one; or

1-Cyclopentyl-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-7-(2,3-dihydroxypropyl-amino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

or a pharmaceutically acceptable salt or ester form thereof.

4. (Currently amended) A compound of Claim 1 selected from the group of:

3-(2,6-Difluoro-3,5-dimethoxy-phenyl)-7-(2,3-dihydroxy-butylamino)-1-ethyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

Ethyl-4-[3-(2,6-difluoro-3,5-dimethoxy-phenyl)-7-methylamino-2-oxo-3,4-dihydro-2H-pyrimido[4,5-d]pyrimidin-1-yl]-cyclohexanecarboxylate;

4-[3-(2,6-Difluoro-3,5-dimethoxy-phenyl)-7-methylamino-2-oxo-3,4-dihydro-2H-

pyrimido[4,5-d]pyrimidin-1-yl]-cyclohexanecarboxylic acid;

7-Amino-3-(2,6-difluoro-3,5-dimethoxy-phenyl)-1-piperidin-4-yl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one; compound with trifluoroacetic acid; ~~or~~

1-Cyclopentyl-3-(2-fluoro-3,5-dimethoxyphenyl)-7-(2-hydroxy-1-hydroxymethyl-ethylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Ethyl-3-(2-fluoro-3,5-dimethoxyphenyl)-7-(4-hydroxy-butylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;.

(S)-1-Cyclopentyl-7-(2,3-dihydroxypropylamino)-3-(2-fluoro-3,5-dimethoxy-phenyl)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Ethyl-3-(2-fluoro-3,5-dimethoxyphenyl)-7-(4-hydroxy-cyclohexylamino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

4-[3-(2,6-Difluoro-3,5-dimethoxyphenyl)-7-methylamino-2-oxo-3,4-dihydro-2H-pyrimido[4,5-d]pyrimidin-1-yl]-piperidine-1-carboxylic acid; ~~or~~

3-(2,6-Difluoro-3,5-dimethoxy-phenyl)-7-methylamino-1-piperidin-4-yl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(2,6-Difluoro-3,5-dimethoxy-phenyl)-7-(2,3-dihydroxy-propylamino)-1-ethyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Cyclopentyl-7-(4-diethylamino-butylamino)-3-(3-ethoxy-2,6-difluoro-phenyl)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(R)-1-Cyclopentyl-7-(2,3-dihydroxy-propylamino)-3-(2-fluoro-3,5-dimethoxy-phenyl)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-Ethyl-3-(2-fluoro-3,5-dimethoxy-phenyl)-7-[2-(2-hydroxy-ethoxy)-ethylamino]-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one; or

1-Cyclopentyl-3-(2-fluoro-3,5-dimethoxy-phenyl)-7-*(trans*-4-hydroxycyclohexyl-amino)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

or a pharmaceutically acceptable salt or ester form thereof.

5. A pharmaceutical composition comprising a pharmaceutically effective amount of a compound of Claim 1 and a pharmaceutically acceptable carrier.

6-9. (Canceled)